

Table C-56. Federal obligations for research performed at universities and colleges for selected agencies, by detailed field of science and engineering: fiscal years 2001, 2002, and 2003

[Dollars in thousands]

Field of science and engineering	2001	Preliminary	
		2002	2003
Total, all fields	18,136,093	19,765,895	21,706,082
Life sciences, total	12,212,548	13,599,085	15,179,058
Biological (excluding environmental)	9,890,754	NA	NA
Environmental biology	217,361	NA	NA
Agricultural	285,208	NA	NA
Medical	1,602,535	NA	NA
Life sciences, n.e.c.	216,690	NA	NA
Psychology, total	353,927	403,077	460,847
Biological aspects	11,061	NA	NA
Social aspects	6,219	NA	NA
Psychological sciences, n.e.c.	336,647	NA	NA
Physical sciences, total	1,525,488	1,580,209	1,683,551
Astronomy	268,214	NA	NA
Chemistry	486,916	NA	NA
Physics	576,401	NA	NA
Physical sciences, n.e.c.	193,957	NA	NA
Environmental sciences, total	913,987	957,963	995,816
Atmospheric	189,353	NA	NA
Geological	151,264	NA	NA
Oceanography	258,810	NA	NA
Environmental sciences, n.e.c.	314,560	NA	NA
Mathematics & computer sciences, total	943,482	973,008	1,040,430
Mathematics	169,702	NA	NA
Computer sciences	724,950	NA	NA
Mathematics & computer sciences, n.e.c.	48,830	NA	NA
Engineering, total	1,374,247	1,377,398	1,409,044
Aeronautical	65,397	NA	NA
Astronautical	24,402	NA	NA
Chemical	71,488	NA	NA
Civil	51,118	NA	NA
Electrical	238,582	NA	NA
Mechanical	101,542	NA	NA
Metallurgy & materials	336,551	NA	NA
Engineering, n.e.c.	485,167	NA	NA
Social sciences, total	279,101	288,473	299,924
Anthropology	11,812	NA	NA
Economics	73,846	NA	NA
Political science	6,620	NA	NA
Sociology	17,105	NA	NA
Social sciences, n.e.c.	169,718	NA	NA
Other sciences, n.e.c.	533,313	586,682	637,412

KEY: NA = Not available (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 2001, 2002, and 2003.

Data for only those agencies that had obligations in the variables represented by this table appear in the table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003